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		and (load adj3 balanc\$) and recover\$4	
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<input type="checkbox"/>	L16	L15 and 709/2\$\$ccls.	33
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<input type="checkbox"/>	L15	(gateway or element or client or device) and (load adj3	70
		balanc\$) and (monitor\$4 or manag\$4)	
<input type="checkbox"/>	L14	6,195,680.pn.	1
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<input type="checkbox"/>	L13	(gateway or element or client or device) and (load adj3	1
		balanc\$) and recover\$4 and (monitor\$4 or manag\$4)	
		and (distribut\$4 same gateway\$)	

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<input type="checkbox"/>	L7	detect\$4 same (failure or inactive or broken) adj (gateway or element or client or device) and (load adj3 balanc\$) and recover\$4 and (monitor\$4 or manag\$4)	24
<input type="checkbox"/>	L6	L3 and 707/1\$\$ccls.	0
<input type="checkbox"/>	L5	L3 and (714/4).ccls.	2
<input type="checkbox"/>	L4	L3 and 709/2\$4.ccls.	8
<input type="checkbox"/>	L3	detect\$4 same (failure or inactive or broken) adj (gateway or element or client or device) and load balanc\$ and recover\$4 and (monitor\$4 or manag\$4)	23
<input type="checkbox"/>	L2	detect\$4 same (failure or inactive or broken) adj (gateway or element or client or device) and load balanc\$ and recover\$4 and activit\$4 with2 (monitor\$4 or manag\$4)	0
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### 1 [Distributed file systems: concepts and examples](#)

Eliezer Levy, Abraham Silberschatz  
**December 1990 ACM Computing Surveys (CSUR),** Volume 22 Issue  
**Publisher: ACM Press**

Full text available: [pdf\(5.33 MB\)](#) Additional Information: [full citation](#), [citations](#), [index](#)

The purpose of a distributed file system (DFS) is to allow users of physical systems to share data and storage resources by using a common file system. A distributed file system (DFS) is a collection of workstations and mainframes connected by a local area network. A DFS is implemented as part of the operating system of each of the connected systems. This paper establishes a viewpoint that emphasizes the dispersed structure of a distributed file system and its data and control.

### 2 [File servers for network-based distributed systems](#)


Liba Svobodova  
**December 1984 ACM Computing Surveys (CSUR),** Volume 16 Issue  
**Publisher: ACM Press**

Full text available: [pdf\(4.23 MB\)](#) Additional Information: [full citation](#), [terms](#), [review](#)

### 3 The evolution of Coda

 M. Satyanarayanan  
May 2002 **ACM Transactions on Computer Systems (TOCS)**, Volum

**Publisher:** ACM Press

Full text available:  pdf(441.35 KB) Additional Information: [full citation](#),  
[citations](#), [index](#)


Failure-resilient, scalable, and secure read-write access to shared inform users over wireless and wired networks is a fundamental computing cha describe how the Coda file system has evolved to meet this challenge th mechanisms for server replication, disconnected operation, adaptive use isolation-only transactions, translucent caching, and opportunistic explo surrogates. For eac ...

**Keywords:** Adaptation, Linux, UNIX, Windows, caching, conflict resolut access, data staging, disaster recovery, disconnected operation, failure, intermittent networks, isolation-only transactions, low-bandwidth netwo optimistic replica control, server replication, translucent cache manager operation

### 4 Measuring ISP topologies with rocketfuel

 Neil Spring, Ratul Mahajan, David Wetherall  
August 2002 **ACM SIGCOMM Computer Communication Review**, F  
**conference on Applications, technologies, architectu**  
**computer communications SIGCOMM '02**, Volume 32

**Publisher:** ACM Press

Full text available:  pdf(1.21 MB) Additional Information: [full citation](#),  
[citations](#), [index](#)

To date, realistic ISP topologies have not been accessible to the research that depends on topology on an uncertain footing. In this paper, we pre techniques that have enabled us to directly measure router-level ISP to reduce the number of required traces compared to a brute-force, all-to-orders of magnitude without a significant loss in accuracy. They include tables to focus the ...

### 5 Scalable and fault-tolerant support for variable bit-rate data in the ex

 Stergios V. Anastasiadis, Kenneth C. Sevcik, Michael Stumm  
November 2005 **ACM Transactions on Storage (TOS)**, Volume 1 Iss

**Publisher: ACM Press**Full text available:  pdf(1.01 MB)Additional Information: [full citation](#), [index terms](#)

We describe the design and implementation of the Exedra continuous media player. We experimentally evaluate alternative resource management policies using Exedra we built. Exedra has been designed to provide scalable and efficient support for media streams whose compression efficiency leads to reduced storage and bandwidth requirements in comparison to constant bit-rate streams of equivalent quality. We compare alternative disk striping policies, and quality of service ...

**Keywords:** Content distribution, multimedia compression

**6 Facial modeling and animation**
 Jörg Haber, Demetri Terzopoulos
**August 2004 ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04****Publisher: ACM Press**Full text available:  pdf(18.15 MB)Additional Information: [full citation](#), [index terms](#)

In this course we present an overview of the concepts and current techniques in facial modeling and animation. We introduce this research area by its history and applications. A prerequisite for facial modeling, data acquisition is discussed in detail. We then discuss facial animation and present different approaches including parametric modeling, physics-based, and learning-based methods. State-of-the-art techniques such as facial animation, mass-spring models ...


**7 Client-server computing**
 Alok Sinha
**July 1992 Communications of the ACM, Volume 35 Issue 7****Publisher: ACM Press**Full text available:  pdf(7.53 MB)Additional Information: [full citation](#), [index terms](#), [review](#)

**Keywords:** client-server computing

**8 Clustering intrusion detection alarms to support root cause analysis**

 Klaus Julisch  
 November 2003 **ACM Transactions on Information and System S**  
 6 Issue 4

**Publisher:** ACM Press


Full text available:  [pdf\(285.72 KB\)](#) Additional Information: [full citation,](#)  
[citations, index](#)

It is a well-known problem that intrusion detection systems overload the triggering thousands of alarms per day. This paper presents a new approach to detection alarms more efficiently. Central to this approach is the notion of a reason, which is referred to as the alarm's *root causes*. This paper observes that rather persistent root causes generally account for over 90% of the intrusion ...

**Keywords:** Intrusion detection, cluster analysis, data mining, false positives

## 9 Measuring ISP topologies with rocketfuel


Neil Spring, Ratul Mahajan, David Wetherall, Thomas Anderson  
 February 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12  
**Publisher:** IEEE Press

Full text available:  [pdf\(732.86 KB\)](#) Additional Information: [full citation,](#)  
[citations, index](#)

To date, realistic ISP topologies have not been accessible to the researchers that depends on topology on an uncertain footing. In this paper, we present techniques that have enabled us to measure router-level ISP topologies with a number of required traces compared to a brute-force, all-to-all approach of similar magnitude without a significant loss in accuracy. They include the use of a focus the measurement ...

**Keywords:** communication system operations and management, internet reliability


## 10 Level II technical support in a distributed computing environment

 Tim Leehane  
 September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on services SIGUCCS '96**

**Publisher:** ACM Press

Full text available:  [pdf\(5.73 KB\)](#) Additional Information: [full citation,](#)

MB)**11** Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, R  
 August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**  
**Publisher: ACM Press**


Full text available:  pdf(17.07 MB) Additional Information: full citation,

Level set methods, an important class of partial differential equation (PDE) for modeling dynamic surfaces implicitly as the level set (iso-surface) of a sampled scalar field. This course begins with preparatory material that introduces the concept of level set methods and how to use them to solve problems in computer graphics, geometric modeling. The course will include the structure and behavior of several different types of differential equations. Level set eq ...

**12** The design and implementation of a next generation name service for

Venugopalan Ramasubramanian, Emin Gün Sirer  
 August 2004 **ACM SIGCOMM Computer Communication Review , F**  
**conference on Applications, technologies, architectures, and**  
**computer communications SIGCOMM '04, Volume 34**

**Publisher: ACM Press**

Full text available:  pdf(472.93 KB) Additional Information: full citation,  
citations, index

Name services are critical for mapping logical resource names to physical resources in distributed systems. The Domain Name System (DNS) used on the Internet is vulnerable to denial of service attacks, and does not support fast updates. This paper describes a new architecture fundamentally from the structure of the legacy DNS. This paper describes the implementation of the Cooperative Domain Name System (CoDoNS), which provides high lookup performance through ...


**Keywords:** DNS, peer to peer, proactive caching

**13** A layered naming architecture for the internet

Hari Balakrishnan, Karthik Lakshminarayanan, Sylvia Ratnasamy, Scott Shenker, John Walfish  
 August 2004 **ACM SIGCOMM Computer Communication Review , F**  
**conference on Applications, technologies, architectures, and**

**computer communications SIGCOMM '04**, Volume 34

**Publisher: ACM Press**

Full text available:  pdf(110.95 KB) Additional Information: [full citation](#), [citations](#), [index](#)

Currently the Internet has only one level of name resolution, DNS, which converts domain names into IP addresses. In this paper we borrow liberally from there should be three levels of name resolution: from user-level descriptions from service identifiers to endpoint identifiers; and from endpoint identifiers additional levels of naming and resolution (1) allow services and data to be accessed by object ...

**Keywords:** distributed hash tables, global identifiers, internet architecture resolution, naming

#### **14** Distributed operating systems

 Andrew S. Tanenbaum, Robbert Van Renesse  
December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue

**Publisher: ACM Press**



Full text available:  pdf(5.49 MB) Additional Information: [full citation](#), [citations](#), [index](#)

Distributed operating systems have many aspects in common with centralized systems but they differ in certain ways. This paper is intended as an introduction to distributed systems and especially to current university research about them. After a discussion of a distributed operating system and how it is distinguished from a computer system, design issues are discussed. Then several examples of current research are given in some detail ...

#### **15** Computing curricula 2001

 September 2001 **Journal on Educational Resources in Computing**

**Publisher: ACM Press**


Full text available:  pdf(613.63 KB)  html (2.78 KB) Additional Information: [full citation](#), [terms](#)

#### **16** Fault-tolerance in air traffic control systems

Flaviu Cristian, Bob Dancey, Jon Dehn



◆ **August 1996 ACM Transactions on Computer Systems (TOCS), Vc**  
**Publisher: ACM Press**

Full text available:  pdf(264.57 KB) Additional Information: [full citation](#), [citations](#), [index](#)


The distributed real-time system services developed by Lockheed Martin group serve the infrastructure for a number of air traffic control systems: development or under development are the US Federal Aviation Administration Replacement (DSR) system, the UK Civil Aviation Authority's New Enrol and the Republic of China's Air Traffic Control Automated System (ATCAS) intended to replace present ...

**Keywords:** exception handling, failure, failure classification, failure management, fault-tolerant systems, group communications, redundancy, server group, system architecture

**17 An end-to-end approach to host mobility**

◆ Alex C. Snoeren, Hari Balakrishnan  
**August 2000 Proceedings of the 6th annual international conference and networking MobiCom '00**

**Publisher: ACM Press**


Full text available:  pdf(1.35 MB) Additional Information: [full citation](#), [citations](#), [index](#)

We present the design and implementation of an end-to-end architecture using dynamic updates to the Domain Name System (DNS) to track host connections are retained using secure and efficient connection migration connections to seamlessly negotiate a change in endpoint IP addresses party. Our architecture is secure—name updates are effected via the secure while TCP ...

**18 A scalable content-addressable network**

◆ Sylvia Ratnasamy, Paul Francis, Mark Handley, Richard Karp, Scott Shenker  
**August 2001 ACM SIGCOMM Computer Communication Review, 31 conference on Applications, technologies, architectures, computer communications SIGCOMM '01, Volume 31**

**Publisher: ACM Press**

Full text available:  pdf(155.64 KB) Additional Information: [full citation](#), [citations](#), [index](#)

Hash tables - which map "keys" onto "values" - are an essential building

systems. We believe a similar functionality would be equally valuable to In this paper, we introduce the concept of a Content-Addressable Network infrastructure that provides hash table-like functionality on Internet-like scalable, fault-tolerant and completely self-organizing, and we demonstrate robustness and low ...

## 19 Cases from the field: Field studies of computer system administrators management tools and practices



Rob Barrett, Eser Kandogan, Paul P. Maglio, Eben M. Haber, Leila A. Takay  
November 2004 **Proceedings of the 2004 ACM conference on Cooperative work CSCW '04**

**Publisher:** ACM Press

Full text available: pdf(405.09 KB) Additional Information: [full citation](#), [citations](#), [index](#)

Computer system administrators are the unsung heroes of the information scenes to configure, maintain, and troubleshoot the computer infrastructure of modern life. However, little can be found in the literature about the practices of these highly specialized computer users. We conducted a series of field studies at data centers, observing organizations, work practices, tools, and problems of system administrators ...

**Keywords:** collaboration, command-line interfaces, ethnography, situation administration

## 20 Scale and performance in a distributed file system



John H. Howard, Michael L. Kazar, Sherri G. Menees, David A. Nichols, M. Sidebotham, Michael J. West

February 1988 **ACM Transactions on Computer Systems (TOCS)**,

**Publisher:** ACM Press

Full text available: pdf(2.38 MB) Additional Information: [full citation](#), [citations](#), [index](#)

The Andrew File System is a location-transparent distributed file system supporting more than 5000 workstations at Carnegie Mellon University. Large scale distributed file systems complicate system operation. In this paper we present observations of the implementation, motivate changes in the areas of cache validation, server translation, and low-level storage representation, and quantitatively demonstrate how to scale gracefully. We ...

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### 1 [File servers for network-based distributed systems](#)

Liba Svobodova  
December 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 4  
**Publisher:** ACM Press  
Full text available: [pdf\(4.23 MB\)](#) [Additional Information](#)

### 2 [Special issue: AI in engineering](#)

D. Sriram, R. Joobhani  
April 1985 **ACM SIGART Bulletin**, Issue 92  
**Publisher:** ACM Press  
Full text available: [pdf\(8.79 MB\)](#) [Additional Information](#)

The papers in this special issue were compiled from responses to the articles posted over the ARPAnet. The interest being shown in this area is reflected in the papers received over the computer network.

### 3 [Clustering intrusion detection alarms to support root cause analysis](#)

Klaus Julisch  
November 2003 **ACM Transactions on Information and System Security**  
**Publisher:** ACM Press

Full text available:  pdf(285.72 KB)

## Additional Information

It is a well-known problem that intrusion detection systems overload the network, and this paper presents a new approach for handling intrusion detection alarms more efficiently. The approach is based on a reason, which is referred to as the alarm's *root causes*. This paper observes that for over 90% of the alarms that an intrusion ...

**Keywords:** Intrusion detection, cluster analysis, data mining, false pos

## 4 Distributed file systems: concepts and examples

Eliezer Levy, Abraham Silberschatz

December 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue

**Publisher: ACM Press**

Full text available:  pdf(5.33 MB)

### Additional Information

The purpose of a distributed file system (DFS) is to allow users of physical storage to access files as if they were in a single, common file system. A typical configuration for a DFS is a collection of file servers, each of which is implemented as part of the operating system of each of the computers in the network. The DFS is implemented as a dispersed structure and decentralization of both data and control.

## 5 Risks to the public: Risks to the Public

Peter G. Neumann

March 2005 **ACM SIGSOFT Software Engineering Notes**, Volume :

**Publisher: ACM Press**

Full text available:  pdf(99.08 KB)

### Additional Information

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the Forum). Contributions are the property of the publisher. All rights reserved. Contributions by others, as indicated. Opinions expressed are individual and do not necessarily address problems relating to software, hardware, people, and other circumstances. Links include pointers to items in the online Risks Forum: (R i j) denotes RISKS-*i* (j = 1, 2, 3, 4).

## 6 The evolution of Coda



**M. Satyanarayanan**

May 2002 ACM Transactions on Computer Systems (TOCS), Vol.

**Publisher:** ACM Press

Full text available:  pdf(441.35 KB)

## Additional Information

Failure-resilient, scalable, and secure read-write access to shared information is a fundamental computing challenge. In this article, we describe how the development of mechanisms for server replication, disconnected operation, transparent caching, and opportunistic exploitation of hardware surrogate

**Keywords:** Adaptation, Linux, UNIX, Windows, caching, conflict resolution, operation, failure, high availability, hoarding, intermittent networks, isc, optimistic replica control, server replication, translucent cache manager

**7** A probe-based monitoring scheme for an object-oriented distributed



Partha Dasgupta

June 1986

**ACM SIGPLAN Notices , Conference proceedings on  
OOPLSA '86**, Volume 21 Issue 11

**Publisher:** ACM Press

Full text available: pdf(762.64 KB)

[Additional Information](#)

**8** An Approach to Preserving Sufficient Correctness in Open Resource

Orna Raz, Mary Shaw

November 2000 **Proceedings of the 10th International Workshop**

**Publisher:** IEEE Computer Society

Full text available: pdf(359.58 KB)

[Publisher Site](#)

[Additional Information](#)

Most software that most people use most of the time needs only moderate software, where the severe consequences of failure justify substantial investment in occasional degraded service or even failure is tolerable. Unlike high-assurance everyday software has received only meager attention concerning how

**Keywords:** Medium-assurance software, everyday software, fitness for software homeostasis, distributed component-based software

**9** Fault-tolerance in air traffic control systems



Flaviu Cristian, Bob Dancey, Jon Dehn

August 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14

**Publisher:** ACM Press

Full text available: pdf(264.57 KB)

[Additional Information](#)

The distributed real-time system services developed by Lockheed Martin for air traffic control systems. Either completed development or under development. Replacement (DSR) system, the UK Civil Aviation Authority's New En Route Automated System (ATCAS). These systems are intended to replace present

**Keywords:** exception handling, failure, failure classification, failure ma  
redundancy, server group, software robustness, system architecture

## 10 Level set and PDE methods for computer graphics

 David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, F  
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**


**Publisher:** ACM Press

Full text available:  [pdf\(17.07 MB\)](#)

[Additional Information](#)

Level set methods, an important class of partial differential equation (P  
surface) of a sampled, evolving nD function. The course begins with pre  
equations to solve problems in computer graphics, geometric modeling  
different types of differential equations, e.g. the level set eq ...

## 11 Cluster-based scalable network services

 Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Ga  
October 1997 **ACM SIGOPS Operating Systems Review , Proceedi  
principles SOSP '97**, Volume 31 Issue 5

**Publisher:** ACM Press

Full text available:  [pdf\(2.42 MB\)](#)

[Additional Information](#)

## 12 Deployment experience: Design and deployment of industrial sensc sea

 Lakshman Krishnamurthy, Robert Adler, Phil Buonadonna, Jasmeet Chhat  
November 2005 **Proceedings of the 3rd international conference**

**Publisher:** ACM Press

Full text available:  [pdf\(677.48 KB\)](#)

[Additional Information](#)

Sensing technology is a cornerstone for many industrial applications. M  
rooms, require sensors to ensure product quality and efficient and safe  
equipment maintenance, in which vibration signatures are gathered to  
surveys, we develop a general architecture for this class of industrial ap

**Keywords:** embedded hardware design, industrial applications of sens.

## 13 The design and implementation of a next generation name service

- ◆ Venugopalan Ramasubramanian, Emin Gün Sirer  
August 2004 **ACM SIGCOMM Computer Communication Review , architectures, and protocols for computer communi**  
**Publisher:** ACM Press

Full text available:  [pdf\(472.93 KB\)](#)

[Additional Information](#)

Name services are critical for mapping logical resource names to physical (DNS) used on the Internet, however, is slow, vulnerable to denial of service fundamentally from the structure of the legacy DNS. This paper describes (CoDoNS), a novel name service, which provides high lookup performance.

**Keywords:** DNS, peer to peer, proactive caching

**14** Illustrative risks to the public in the use of computer systems and re

- ◆ Peter G. Neumann  
January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume  
**Publisher:** ACM Press

Full text available:  [pdf\(2.54 MB\)](#)

[Additional Information](#)

**15** Practical byzantine fault tolerance and proactive recovery

- ◆ Miguel Castro, Barbara Liskov  
November 2002 **ACM Transactions on Computer Systems (TOCS)**  
**Publisher:** ACM Press

Full text available:  [pdf\(1.63 MB\)](#)

[Additional Information](#)

Our growing reliance on online services accessible on the Internet demands interruptions. Software bugs, operator mistakes, and malicious attacks behavior, that is, Byzantine faults. This article describes a new replication tolerate Byzantine faults. BFT can be used in practice to implement replication.

**Keywords:** Byzantine fault tolerance, asynchronous systems, proactive

**16** Computing curricula 2001

- ◆ September 2001 **Journal on Educational Resources in Computing**  
**Publisher:** ACM Press

Full text available:  [pdf\(613.63 KB\)](#)  [html](#)

[Additional Information](#)



(2.78 KB)

**17** Distributed transactions for reliable systems

 Alfred Z. Spector, Dean Daniels, Daniel Duchamp, Jeffrey L. Eppinger, Raj  
December 1985 **ACM SIGOPS Operating Systems Review , Proceedings**  
**principles SOSP '85**, Volume 19 Issue 5

**Publisher:** ACM Press

Full text available:  [pdf\(1.44 MB\)](#)

[Additional Information](#)

**18** Level II technical support in a distributed computing environment

 Tim Leehane  
September 1996 **Proceedings of the 24th annual ACM SIGUCCS**

**Publisher:** ACM Press

Full text available:  [pdf\(5.73 MB\)](#)

[Additional Information](#)

**19** Experience with transactions in QuickSilver

 Frank Schmuck, Jim Wylie  
September 1991 **ACM SIGOPS Operating Systems Review , Proceedings**  
**principles SOSP '91**, Volume 25 Issue 5

**Publisher:** ACM Press

Full text available:  [pdf\(1.66 MB\)](#)

[Additional Information](#)

All programs in the QuickSilver distributed system behave atomically w  
for *transactions* provides the framework required to support this, as we  
normal process termination. This paper evaluates the use of transaction  
some of the lessons learned from our experience with a complet ...

**20** Distributed operating systems

 Andrew S. Tanenbaum, Robbert Van Renesse  
December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue

**Publisher:** ACM Press

Full text available:  [pdf\(5.49 MB\)](#)

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If backups are required on this **server**, then the **backup** files should be ...

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obtain electronic reports regularly indicating the **reassignment** of a number ...

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## System control structure of the IBM eServer z900

Shown on the left in Figure 8 is the floorplan of a z900 **server** with locations of cages and ... it triggers the CC **reassignment** function3 for that cage. ...

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Link **failure detection** at layer 2 and layer 3 is an in-stack **monitoring** function ...  
**port** numbers), and adds a suggestion for a **server** selection policy. ...

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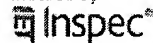
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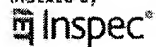
- ☐ 1. **A QoS-enable failure detection framework for J2EE application server**  
Ning-jiang Chen; Jun Wei; Bo Yang; Jin-ling Wang; Tao Huang;  
Autonomous Decentralized Systems, 2005. ISADS 2005. Proceedings  
4-8 April 2005 Page(s):542 - 546  
Digital Object Identifier 10.1109/ISADS.2005.1452132  
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Defago, X.; Schiper, A.; Sergent, N.;  
Reliable Distributed Systems, 1998. Proceedings. Seventeenth IEEE Symposium  
20-23 Oct. 1998 Page(s):43 - 50  
Digital Object Identifier 10.1109/RELDIS.1998.740473  
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Wang, Y.; Brasileiro, F.; Anceaume, E.; Greve, F.; Hurfin, M.;  
Dependable Systems and Networks, 2001. Proceedings. The International Conf  
1-4 July 2001 Page(s):97 - 106  
Digital Object Identifier 10.1109/DSN.2001.941396  
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- ☐ 4. **Solving the group priority inversion problem in a timed asynchronous sy**  
Yun Wang; Anceaume, E.; Brasileiro, F.; Greve, F.; Hurfin, M.;  
Computers, IEEE Transactions on  
Volume 51, Issue 8, Aug. 2002 Page(s):900 - 915  
Digital Object Identifier 10.1109/TC.2002.1024738  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(448 KB\)](#) IEEE JNL  
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- ☐ 5. **Pinpoint: problem determination in large, dynamic Internet services**  
Chen, M.Y.; Kiciman, E.; Fratkin, E.; Fox, A.; Brewer, E.;  
Dependable Systems and Networks, 2002. Proceedings. International Confere  
23-26 June 2002 Page(s):595 - 604

Digital Object Identifier 10.1109/DSN.2002.1029005

[AbstractPlus](#) | Full Text: [PDF\(315 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

- ☐ **6. An efficient algorithm for leader-election in synchronous distributed syst**  
Sung-Hoon Park; Yoon Kim; Jeoung Sun Hwang;  
[TENCON 99. Proceedings of the IEEE Region 10 Conference](#)  
Volume 2, 15-17 Sept. 1999 Page(s):1091 - 1094 vol.2  
Digital Object Identifier 10.1109/TENCON.1999.818613  
[AbstractPlus](#) | Full Text: [PDF\(300 KB\)](#) IEEE CNF  
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- ☐ **7. Primary component asynchronous group membership as an instance of :  
agreement framework**  
Greve, F.; Hurfin, M.; Raynal, M.; Tronel, F.;  
[Autonomous Decentralized Systems. 2001. Proceedings. 5th International Syn](#)  
26-28 March 2001 Page(s):93 - 100  
Digital Object Identifier 10.1109/ISADS.2001.917399  
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